



# **National Weather Service**

---

## **AWIPS Software Recommendation and Evaluation Committee (SREC) Status Meeting**

---

**September 24, 2005**  
**Systems Engineering Center**



# Agenda



- **SREC Website**
- **OB7 Status**
- **Address process for small maintenance items**
- **Support for process improvements**
- **Remaining OB7 SREC activities**
- **Next Meeting Agenda**



# SREC Website



- **SREC Charter**
  - *Describes authority, purpose, responsibilities and functions, membership, support staff, meeting structure and SREC Process.*
- **SREC Point of Contact**
  - *Lists SREC planning team, area advocates, field representation, OCWW, development organizations and training members.*
- **SREC Meeting Presentations**
  - *Microsoft Powerpoint presentations prepared for each SREC meeting.*
- **SREC Meeting Minutes**
  - *Meeting minutes and actions.*
- **Operational Build Contents**
  - *Description of the contents of each release.*
- **AWIPS Release Schedule**
  - *Schedule for development, testing and deployment of AWIPS releases, including OB releases, infrastructure updates, and application releases.*
- **AWIPS Master Lists**
  - *Master lists of requirements generated by the SREC during December 2005 to support the OB7 SREC process.*
- **OSIP Status**
  - *Describes the status of OSIP tasks.*



# OB7 Status



## Development

- ***COTS Changes finalized***
- ***Compiling a milestone schedule for each development task (9/30)***
- ***Compiling list focal points for each development task***
  - *Developers will use the SREC Point of Contact until a focal point list is finalized*
  - *Responses received from OCWWS, Training, OOS, CR, SR, AR, SEC*
  - *Responses due from ER, WR, PR*
- ***OB7 Kickoff meeting schedule for 10/6***



# OB7 Status



## Content

- ***Proposal to add FX-NET***
  - *Continued funding requested by AWIPS Program Manager*
  - *FX-Net has become critical in providing real-time access to the data IMET's needs.*
- ***WRF Simulated Reflectivity Grids***
  - *Submitted by ER for March 2006 implementation*
- ***Climate***
  - *Submitted by ER on behalf of all regions*
  - *Transmission of preliminary F6 product (CF-6)*
  - *Have a final line appended to the CF-6 product*
- ***Key West Identifier Change***
  - *Moving to new facility*
  - *Jan/Feb 2006 – EYW to KEY*



# OB7 Status



- **Content**

- ***New High Resolution Global SST analysis.***

- *1/12 deg resolution (current analysis product is 1/2 degree resolution)*
- *Current SST grid is available on the SBN.*
- *NCEP and is not planned to be discontinued until after the WRF implementation.*
- *ER would like to see the new SST analysis grid replace the old (current) analysis on the SBN/AWIPS.*
- *The new grid is larger, but it is only 1 grid per day.*
- *Development-wise, we are already downloading this grid from the NCEP ftp server and displaying it in AWIPS, so we can provide any necessary file modifications.*
- *Since the current SST analysis will terminate sometime in the spring, it seems logical to replace it on the SBN with the new hi res analysis.*



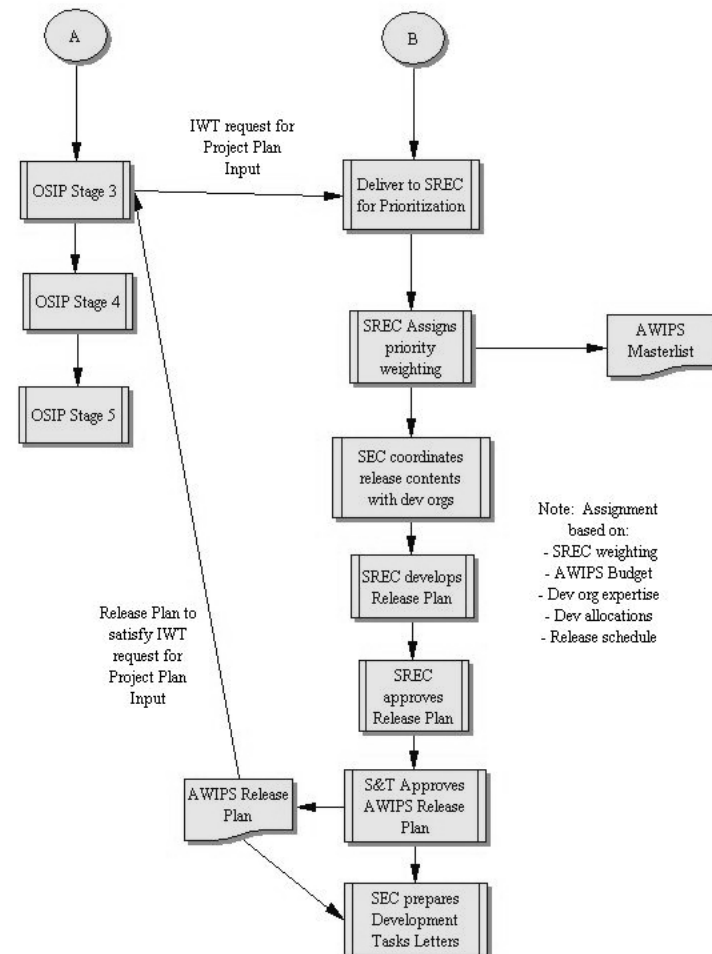
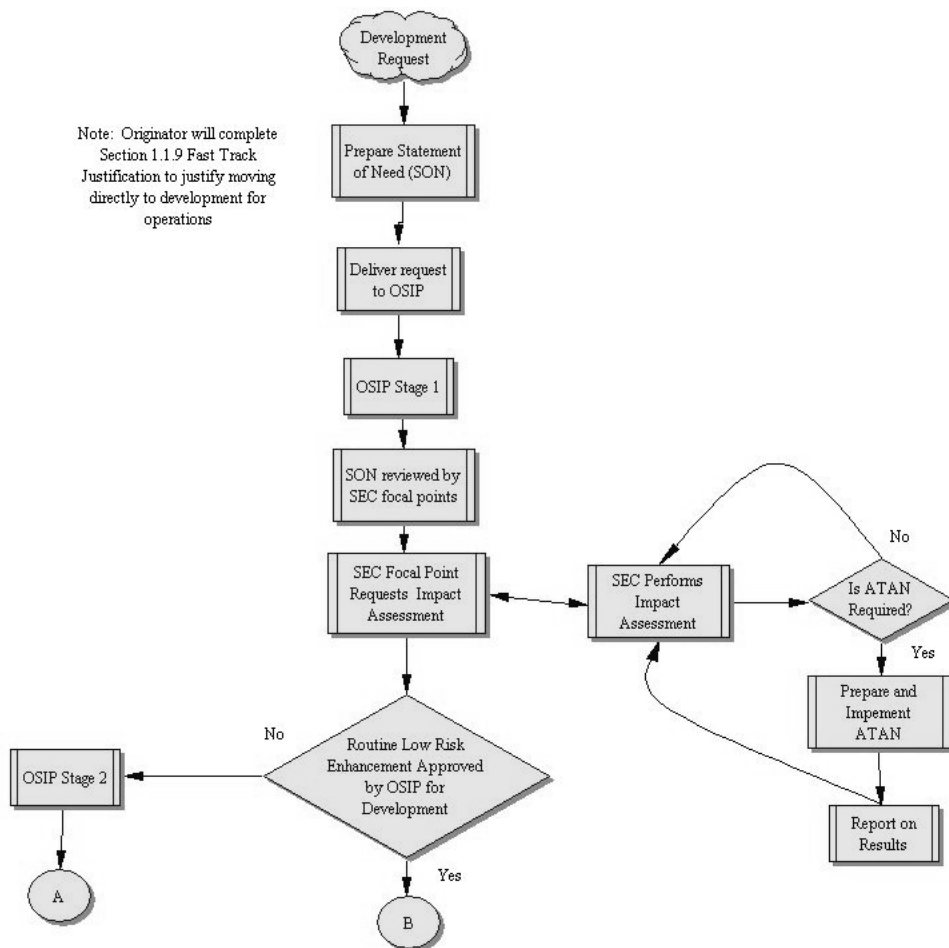
# How to Handle Small Enhancements



- **Three options being considered**
  - **Send a RC to the CCB**
    - *CCB does not believe it is necessary for these types of changes to go through a CCB*
    - *CCB does not have resources or expertise to review RCs*
    - *Proposal rejected by CCB*
  - **Send a SON to OSIP**
    - *OSIP doesn't have a streamlined process for these types of changes*
    - *An OSIP "Lite" proposal has been provided to the OSIP team for consideration (following slides)*
  - **Send to SREC (last resort)**
    - *SREC develops it's own process*
    - *Will need to create method to track enhancements*
    - *Will require infrastructure to manage change*

# Proposed OSI “Lite” Process

Note: Originator will complete Section 1.1.9 Fast Track Justification to justify moving directly to development for operations







# How to Handle Small Enhancements



- **Proposed additions to SON to allow for Fast Track processing**
  - 1. Title**
  - 2. Contact Point**
  - 3. Description**
  - 4. Justification**
  - 5. Existing capabilities/capacities and limitations related to the need**
  - 6. Benefits and Performance Impact**
  - 7. Key Customers and Stakeholders**
  - 8. Supporting Information**
  - 9. Fast Track Justification**
    1. Area or Product Affected
    2. Type of Change
    3. Statement of Requirement, Problem, or Deficiency
    4. Reason for Change: New, Enhancement, Clarification, Deficiency
    5. Known or Proposed Solution
    6. Alternative Solutions
    7. Current Workarounds
    8. Operational Concept
    9. Requirements Specification ( Functional, Scientific, Technical)
    10. Requested Implementation Date and Rationale



# How to Handle Small Enhancements



- **The request will be reviewed by SEC and evaluated based on the following criteria**
  - ***No Exploratory Research Evaluation required***
  - ***No security impacts***
  - ***Data is less than 50 mbytes/hr and familiar (low risk) data stream***
  - ***Communications traffic volume will not impact terrestrial WAN or SBN***
  - ***Software development effort to design, develop, test and implement is less than 2 months***
  - ***Utilization of CPU, RAM, disk I/O, LAN network I/O and disk storage likely to increase less than 1% of total available on target platform***
  - ***No direct cost for project implementation, any recurring cost, logistics or maintenance cost and no anticipated future replacement or upgrade cost. Only cost is the development, testing and deployment.***
  - ***Requirement specification is complete. Justification is complete.***
  - ***Only AWIPS development and integration resources are required.***



# How to Handle Small Enhancements



- **Tasks identified as a low risk by the OSIP Gate 1 committee will be submitted to the SREC for approval and, prioritization and placement into a release**
- **Tasks identified as a medium or high risk and will continue down the OSIP path**



# Remaining OB7 SREC Activities



- **Define application release contents**
- **Finalize handling of small maintenance items**
- **Finalize support staff for process improvement**
  - *Identify approval authority for each development task and review (Requirements, User Interface, Test Plan and Procedures)*
  - *Identify field representatives for development testing*
- **Identify status of AWIPS Masterlist conversion and OSIP tasks**



# Next Meeting Agenda



- **Meeting to be held on October 25 at 2:30pm EDT**
  - ***OB7 Status***
  - ***Application release contents - draft***
  - ***Address process for small maintenance items***
  - ***Review status of AWIPS Masterlist conversion and OSIP tasks***
  - ***Planning for OB8***